

## INTERNATIONAL SEARCH REPORT

IB2004/003726

A. CLASSIFICATION OF SUBJECT MATTER  
 IPC 7 C12N15/82 A01H5/00

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)  
 IPC 7 C12N A01H

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, BIOSIS, Sequence Search, WPI Data, PAJ

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	<p>SULLI CHIDANANDA ET AL: "Topology of Euglena chloroplast protein precursors within endoplasmic reticulum to Golgi to chloroplast transport vesicles"  <i>JOURNAL OF BIOLOGICAL CHEMISTRY</i>,    vol. 274, no. 1,    1 January 1999 (1999-01-01), pages    457-463, XP002319320    ISSN: 0021-9258    the whole document</p> <p style="text-align: center;">-/-</p>	1-41

 Further documents are listed in the continuation of box C. Patent family members are listed in annex.

## \* Special categories of cited documents:

- \*'A' document defining the general state of the art which is not considered to be of particular relevance
- \*'E' earlier document but published on or after the International filing date
- \*'L' document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- \*'O' document referring to an oral disclosure, use, exhibition or other means
- \*'P' document published prior to the International filing date but later than the priority date claimed

\*'T' later document published after the International filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

\*'X' document of particular relevance; the claimed Invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

\*'Y' document of particular relevance; the claimed Invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

\*'Z' document member of the same patent family

Date of the actual completion of the International search	Date of mailing of the International search report
28 February 2005	30/03/2005
Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016	Authorized officer  Blanco Urgoiti, B

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	<p>DATABASE EMBL 'Online!'            3 April 1997 (1997-04-03), "Arabidopsis thaliana carbonic anhydrase (CAH1) mRNA, partial cds."            XP002319322            retrieved from EBI accession no.            EM_PRO:ATU73462            Database accession no. ATU73462            cited in the application            the whole document</p> <p>-----</p> <p>DATABASE GENBANK            16 September 2003 (2003-09-16),            "Arabidopsis thaliana GTP-binding protein SAR1, putative (At1g09180) mRNA, complete cds."            XP002319365            retrieved from ENTREZ NUCLEOTIDES            Database accession no. NM_100788            cited in the application            sequence data</p> <p>-----</p> <p>DATABASE GENBANK            17 February 2004 (2004-02-17),            "Arabidopsis thaliana prohibitin, putative (At1g03860) mRNA, complete cds."            XP002319366            retrieved from ENTREZ NUCLEOTIDES            Database accession no. NM_202027            sequence data            L:priority</p> <p>-----</p> <p>US 6 130 366 A (HERRERA-ESTRELLA ET AL)            10 October 2000 (2000-10-10)</p> <p>-----</p> <p>KEEGSTRA KENNETH ET AL: "Protein import and routing systems of chloroplasts"            PLANT CELL,            vol. 11, no. 4, April 1999 (1999-04),            pages 557-570, XP002319321            ISSN: 1040-4651            cited in the application            the whole document</p> <p>-----</p> <p>SAMUELSSON GORAN ET AL: "Chloroplastic carbonic anhydrases."            REGULATION OF PHOTOSYNTHESIS KLUWER            ACADEMIC PUBLISHERS, 3300 AA, P. O. BOX            17, DORDRECHT, NETHERLANDS SERIES :            ADVANCES IN PHOTOSYNTHESIS AND RESPIRATION            (ISSN 1572-0233 (ISSN PRINT)), 2001, pages            313-320, XP008043221            ISSN: 0-7923-6332-9            the whole document            page 317, column 1, paragraph 2            page 318, column 2, paragraph 2</p>	18-24, 26-31, 34-41  18-25, 27-31, 34-41  18-25, 27-31, 34-41

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